RAW SEQUENCE LISTING

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Application Serial Number: 10/511,468A
Source: PCT
Date Processed by STIC: 4-14-06

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RAW SEQUENCE LISTING DATE: 04/14/2006
PATENT APPLICATION: **US/10/511,468A** TIME: 11:16:57

Input Set : **A:\2005-11-21 4614-0159PUS1.ST25.txt**
Output Set: **N:\CRF4\04142006\J511468A.raw**

<110> APPLICANT: Soren Weis DAHL et al.
<120> TITLE OF INVENTION: TRANSLOCATION DEPENDENT COMPLEMENTATION FOR DRUG SCREENING
<130> FILE REFERENCE: 4614-0159PUS1
<140> CURRENT APPLICATION NUMBER: US 10/511,468A
<141> CURRENT FILING DATE: 2004-10-18
<160> NUMBER OF SEQ ID NOS: 99
<170> SOFTWARE: PatentIn version 3.1
<210> SEQ ID NO: 1
<211> LENGTH: 238
<212> TYPE: PRT
<213> ORGANISM: Aequorea victoria
<400> SEQUENCE: 1

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            20                  25                  30
Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys
        35                  40                  45
Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr Phe
    50                  55                  60
Ser Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys Gln
65                  70                  75                  80
His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg
                85                  90                  95
Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val
            100                 105                 110
Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile
        115                 120                 125
Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn
    130                 135                 140
Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly
145                 150                 155                 160
Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val
                165                 170                 175
Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro
            180                 185                 190
Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser
        195                 200                 205
Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val
    210                 215                 220
Thr Ala Ala Gly Ile Thr His Gly Met Asp Glu Leu Tyr Lys
225                 230                 235
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<210> SEQ ID NO: 2

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Input Set : A:\2005-11-21 4614-0159PUS1.ST25.txt
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70 <211> LENGTH: 238
71 <212> TYPE: PRT
72 <213> ORGANISM: Aequorea victoria
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78 Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly Glu
79 20 25 30
81 Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys
82 35 40 45
84 Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr Phe
85 50 55 60
87 Ser Trp Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys Gln
88 65 70 75 80
90 His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg
91 85 90 95
93 Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val
94 100 105 110
96 Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile
97 115 120 125
99 Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn
100 130 135 140
102 Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly
103 145 150 155 160
105 Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val
106 165 170 175
108 Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro
109 180 185 190
111 Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser
112 195 200 205
114 Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val
115 210 215 220
117 Thr Ala Ala Gly Ile Thr His Gly Met Asp Glu Leu Tyr Lys
118 225 230 235
120 <210> SEQ ID NO: 3
121 <211> LENGTH: 238
122 <212> TYPE: PRT
123 <213> ORGANISM: Aequorea victoria
125 <400> SEQUENCE: 3
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127 1 5 10 15
129 Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly Glu
130 20 25 30
132 Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys
133 35 40 45
135 Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr Phe
136 50 55 60
138 Ser His Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys Gln
139 65 70 75 80

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Input Set : **A:\2005-11-21 4614-0159PUS1.ST25.txt**
Output Set: **N:\CRF4\04142006\J511468A.raw**

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141 His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg
142                 85                  90                  95
144 Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val
145             100                 105                 110
147 Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile
148         115                 120                 125
150 Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn
151     130                 135                 140
153 Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly
154 145                 150                 155                 160
156 Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val
157                 165                 170                 175
159 Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro
160             180                 185                 190
162 Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser
163         195                 200                 205
165 Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val
166     210                 215                 220
168 Thr Ala Ala Gly Ile Thr His Gly Met Asp Glu Leu Tyr Lys
169 225                 230                 235
171 <210> SEQ ID NO: 4
172 <211> LENGTH: 239
173 <212> TYPE: PRT
174 <213> ORGANISM: Aequorea victoria
176 <400> SEQUENCE: 4
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178 1                 5                  10                  15
180 Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly
181             20                  25                  30
183 Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile
184         35                  40                  45
186 Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr
187     50                  55                  60
189 Leu Thr Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys
190 65                  70                  75                  80
192 Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu
193                 85                  90                  95
195 Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu
196             100                 105                 110
198 Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly
199         115                 120                 125
201 Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr
202     130                 135                 140
204 Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn
205 145                 150                 155                 160
207 Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser
208                 165                 170                 175
210 Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly
211             180                 185                 190
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Input Set : A:\2005-11-21 4614-0159PUS1.ST25.txt
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```
213 Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu
214         195                 200                 205
216 Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe
217     210                 215                 220
219 Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys
220 225                 230                 235
222 <210> SEQ ID NO: 5
223 <211> LENGTH: 239
224 <212> TYPE: PRT
225 <213> ORGANISM: Aequorea victoria
227 <400> SEQUENCE: 5
228 Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu
229 1               5                   10                  15
231 Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly
232             20                  25                  30
234 Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile
235         35                  40                  45
237 Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr
238     50                  55                  60
240 Phe Gly Tyr Gly Leu Gln Cys Phe Ala Arg Tyr Pro Asp His Met Lys
241 65                  70                  75                  80
243 Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu
244                 85                  90                  95
246 Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu
247             100                 105                 110
249 Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly
250         115                 120                 125
252 Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr
253     130                 135                 140
255 Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn
256 145                 150                 155                 160
258 Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser
259                 165                 170                 175
261 Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly
262             180                 185                 190
264 Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Tyr Gln Ser Ala Leu
265         195                 200                 205
267 Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe
268     210                 215                 220
270 Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys
271 225                 230                 235
273 <210> SEQ ID NO: 6
274 <211> LENGTH: 239
275 <212> TYPE: PRT
276 <213> ORGANISM: Aequorea victoria
278 <400> SEQUENCE: 6
279 Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu
280 1               5                   10                  15
282 Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly
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RAW SEQUENCE LISTING DATE: 04/14/2006
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Input Set : A:\2005-11-21 4614-0159PUS1.ST25.txt
Output Set: N:\CRF4\04142006\J511468A.raw

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283             20                  25                  30
285 Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile
286         35                  40                  45
288 Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr
289     50                  55                  60
291 Leu Gly Tyr Gly Leu Gln Cys Phe Ala Arg Tyr Pro Asp His Met Lys
292 65                  70                  75                  80
294 Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu
295                 85                  90                  95
297 Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu
298             100                 105                 110
301 Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly
302         115                 120                 125
304 Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr
305     130                 135                 140
307 Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn
308 145                 150                 155                 160
310 Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser
311                 165                 170                 175
313 Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly
314             180                 185                 190
316 Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Tyr Gln Ser Ala Leu
317         195                 200                 205
319 Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe
320     210                 215                 220
322 Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys
323 225                 230                 235
326 <210> SEQ ID NO: 7
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328 <212> TYPE: DNA
329 <213> ORGANISM: Homo sapiens
331 <220> FEATURE:
332 <221> NAME/KEY: CDS
333 <222> LOCATION: (3)..(116)
335 <400> SEQUENCE: 7
336 cc atg gcc ggt ggt acc ggt tcc ggt gcc ctg aag aag gag ctg cag        47
337    Met Ala Gly Gly Thr Gly Ser Gly Ala Leu Lys Lys Glu Leu Gln
338    1               5                  10                  15
340 gcc aac aag aag gag ctg gcc cag ctg aag tgg gag ctg cag gcc ctg       95
341 Ala Asn Lys Lys Glu Leu Ala Gln Leu Lys Trp Glu Leu Gln Ala Leu
342                 20                  25                  30
344 aag aag gag ctg gcc cag tag gatcc                                  121
345 Lys Lys Glu Leu Ala Gln
346             35
348 <210> SEQ ID NO: 8
349 <211> LENGTH: 37
350 <212> TYPE: PRT
351 <213> ORGANISM: Homo sapiens
353 <400> SEQUENCE: 8
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VERIFICATION SUMMARY DATE: 04/14/2006
PATENT APPLICATION: **US/10/511,468A** TIME: 11:16:58

Input Set : **A:\2005-11-21 4614-0159PUS1.ST25.txt**
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